

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraphs on page 5, beginning on line 23 and ending at page 6, line 18, with the following amended paragraphs:

Summary Specification Text:

In accordance with a first aspect of the invention, there is described hereinafter a code division multiple access downlink receiver for providing wireless communication via a wireless channel between a base station and a mobile station in which the receiver is implemented. The receiver comprises a plurality of subchannels whereof each conveys at least one signal received from the base station, and a cell searcher for receiving signals in the plurality of subchannels and retrieving therefrom a common code relating to a cell. The receiver also comprises a code generator for generating a set of common and dedicated codes relating to at least one communication channel using the output of the cell searcher, and a plurality of equalizers for receiving the code generator output and equalizing the received signals in the plurality of subchannels, wherein each of the plurality of equalizers includes a plurality of filters wherein each of the plurality of filters corresponds to each of the plurality of subchannels, ~~wherein the length of each of the plurality of filters is lesser than the length of each of the plurality of subchannels.~~

In accordance with a second aspect of the invention, there is described hereinafter in a code division multiple access downlink receiver, a method for providing wireless communication via a wireless channel between a base station and a mobile station in which the receiver is implemented. The method comprises the steps of providing a plurality of subchannels whereof each conveys at least one signal received from the base station, and receiving using a cell searcher signals in the plurality of subchannels and retrieving therefrom a common code relating to a cell. The method also comprises the steps of generating using a code generator a set of common and dedicated codes relating to at least one communication channel using the output of the cell searcher, and using a plurality of equalizers for receiving the code generator output and equalizing the received signals in the plurality of subchannels, wherein each of the plurality of

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equalizers includes a plurality of filters wherein each of the plurality of filters corresponds to each of the plurality of subchannels, ~~wherein the length of each of the plurality of filters is lesser than the length of each of the plurality of subchannels.~~